

Mirage

by Arya Akhavan (September 2013)

Angles for R.I. = 1.720

22 + 6 girdles = 28 facets

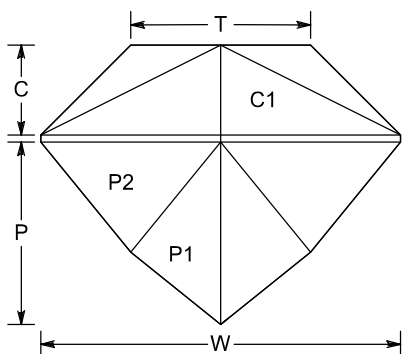
3-fold, mirror-image symmetry

96 index

$L/W = 1.155$ $T/W = 0.500$ $U/W = 0.433$

$P/W = 0.506$ $C/W = 0.250$

$Vol./W^3 = 0.296$



PAVILION

P1 42.80° 05-27-37-59-69-91 Cut to centerpoint.

G1 90.00° 08-24-40-56-72-88 Set stone size.

P2 50.69° 08-24-40-56-72-88 Level girdle.

CROWN

C1 45.00° 08-24-40-56-72-88 Set girdle width.

C2 30.00° 16-48-80 Meet G1, C1

T 0.00° Table Meet C1, C2

This deceptively simple design has incredible performance, with absurdly high amounts of scatter and contrast, and an excellent reflection pattern that varies drastically with increasing refractive index. It's also really fast to cut! Works in materials from quartz to CZ (RI = 1.54 - 2.16) with no changes, but I prefer lavender spinel.

Suggested size = 6-15 mm

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